CLASSIFICATION:

UNCLASSIFIED

EXHIBIT R-2, RDT&E Budget Item Justification							DATE:	
							Februa	ry 2003
APPROPRIATION/BUDGET ACTIVITY		BA-6			R-1 ITEM NOMEN	ICLATURE		
RESEARCH DEVELOPMENT TEST & EVALUATION	0605863N - RDT&	E, N Ship and Airc	raft Support					
COST (\$ in Millions)	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
Total PE Cost	70.956	69.867	78.648	88.912	82.404	84.576	86.190	87.849
K2924 RDT&E Self Defense Test Ship		3.125	9.260	11.272	7.485	8.846	9.093	9.347
S0354 RDT&E Ships Support	11.765	10.143	8.792	11.163	10.547	11.070	11.234	11.411
S2924 RDT&E Self-Defense Test Ship	3.165							
W0568 RDT&E Aircraft Flight Hours	27.785	27.741	28.044	28.423	29.977	29.641	30.183	30.749
W0569 RDT&E Aircraft Support	28.241	28.858	32.552	38.054	34.395	35.019	35.680	36.342

A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:

This continuing program provides support for ships and aircraft required to accommodate Research, Development, Test and Evaluation (RDT&E) of new systems. The RDT&E ship and aircraft inventory is required to adequately test new and improved weapon systems, stay current with threats, and increase warfighting capability of the fleet. The program provides integrated logistics support for aircraft at selected field activities; provides depot-level rework of aircraft, engines, and components for the Navy inventory of RDT&E aircraft; and provides support for ships and aircraft bailed to contractors for Navy RDT&E projects. Costs covered under this element include aircrew training and proficiency, fuel, supplies, equipment, modification, repair, Aviation Depot Level Repairables, Special Flight Test Instrumentation Pool equipment, overhaul of ships and aircraft, as well as organizational, intermediate, and depot maintenance of ships and aircraft in the Navy RDT&E inventory.

R-1 SHOPPING LIST - Item No.

158

UNCLASSIFIED

Exhibit R-2, RDTEN Budget Item Justification (Exhibit R-2, page 1 of 29)

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justific	cation						DATE:	
							Februa	ry 2003
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEME	ENT NUMBER AND	NAME		PROJECT NUMBE	R AND NAME		
RDT&E, N / BA-6	0605863N - RDT&E	E,N Ship and Aircra	ift Support		K2924 - RDT&E Se	elf Defense Test Sh	nip	
COST (\$ in Millions)	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
Project Cost		3.125	9.260	11.272	7.485	8.846	9.093	9.347
RDT&E Articles Qty								

A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:

This project provides for the maintenance of Hull Mechanical and Electrical (HM&E) and installed Combat Systems of the Self-Defense Test Ship (SDTS) in support of the Navy Research, Development, Test and Evaluation (RDT&E) of ship self-defense systems. Testing aboard this ship reduces the number of fleet units required to support RDT&E efforts. SDTS provides the capability of testing self-defense weapon systems within their minimum range. A major cost of this project is regularly scheduled ship maintenance. The remainder of the funds are used for purchase of supplies and equipment, fuel and petroleum products, repairs and supporting services. Most costs are fixed and are associated with simply having this platform in the inventory.

(U) Current and projected Anti-Ship Cruise Missile (ASCM) threats require self-defense weapons systems capable of adequately countering ASCMs into the year 2001 and beyond. The National Defense Authorization Act for FY87, section 910, "Testing of Certain Weapons Systems and Munitions," requires live-fire lethality testing of manned weapons systems. Operational and safety constraints limit realistic live-fire lethality testing with U.S. Navy ships and thus drive the requirement for having an afloat, unmanned, remotely controlled SDTS. SDTS plans call for testing PHALANX, Evolved Sea Sparrow Missile (ESSM), High Frequency Surface Wave Radar Advanced Technology Demonstration (ATD), the Rolling Airframe Missile (RAM), and future short-range Anti-Air Warfare systems against realistic threat presentation in an at-sea environment.

R-1 SHOPPING LIST - Item No.

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification			DATE:
			February 2003
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND NAME	PROJECT NUMBER AND N	NAME
RDT&E, N / BA-6	0605863N - RDT&E,N Ship and Aircraft Support	K2924 - RDT&E Self Defens	nse Test Ship

B. Accomplishments/Planned Program

	FY 02	FY 03	FY 04	FY 05
Accomplishments/Effort/Subtotal Cost		3.125		
RDT&E Articles Quantity				

Self Defense Test Ship conducts live fire operations at NAVAIRWARCENWPNDIV Point Mugu, CA. Live Fire testing will include the RAM Helo Anti-Surface mode and the ESSM. NAVSURFWARCENDIV Port Hueneme, CA will plan, scheduled and perform HM& maintenance onboard SDTS in support of Long Pulse High Power Microwaves (HPM) System testing.

	FY 02	FY 03	FY 04	FY 05
Accomplishments/Effort/Subtotal Cost			9.260	
RDT&E Articles Quantity				

Self Defense Test Ship (SDTS) will initiate the stripping of EDDG 31 (EX Decatur) and begin conversion efforts to DD 964. NAVSURFWARCENDIV Port Hueneme, CA will plan, schedule and perform HM&E maintenance onboard SDTS in support of the conversion.

	FY 02	FY 03	FY 04	FY 05
Accomplishments/Effort/Subtotal Cost				11.272
RDT&E Articles Quantity				

NAVSURFWARCENDIV Port Hueneme, CA will plan, schedule, and perform maintenance onboard DD 964 and complete conversion of the Self Defense Test Ship (SDTS-R).

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Exhibit R-2a, RDTEN Project Justification (Exhibit R-2a, page 3 of 29)

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification						DATE:	
							February 2003
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELE	MENT NUMBER	AND NAME		PROJECT NUME	BER AND NAME	
RDT&E, N / BA-6	0605863N - RD	Γ&E,N Ship and A	ircraft Support		K2924 - RDT&E	Self Defense Test Ship	
C. PROGRAM CHANGE SUMMARY:							
Funding: Previous President's Budget: (FY 03 Pres Co Current BES/President's Budget: (FY04/05 O Total Adjustments Summary of Adjustments Congressional program reduction	SD/OMB Controls)	FY 2002	FY 2003 0.000 3.125 3.125	FY 2004 0.000 9.260 9.260	FY 2005 0.000 11.272 11.272		
Congressional undistributed redu- Congressional rescissions SBIR/STTR Transfer Economic Assumptions Reprogrammings Minor Program Adjustments Congressional increases Subtotal	ctions	0.000	-0.018 3.199 -0.056	9.881 -0.621 9.260	12.062 -0.790 11.272		
Schedule:							
Not Applicable							
Technical:							
Not Applicable							
		D 1 SHODD	INCLICT 4	ana Na	150		

R-1 SHOPPING LIST - Item No. 158

Exhibit R-2a, RDTEN Project Justification (Exhibit R-2a, page 4 of 29)

CLASSIFICATION:

	Project Justification								DATE:	Februa	ary 2003	
PROPRIATION/BUDGE	T ACTIVITY		PROGRAM EI	EMENT NUM	BER AND NAM	ИΕ	PROJECT NU	IMBER AND N	AME		-	
T&E, N /	BA-6		0605863N - R	DT&E,N Ship a	and Aircraft Su	pport	K2924 - RDT8	&E Self Defens	e Test Ship			
D. OTHER PROGRA	AM FUNDING SUMMARY:									То	Total	
Line Item No. & Na	<u>ame</u>	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	Complete	Cost	
O&MN PE 0702	2228N		1.814									

CLASSIFICATION:

					DATE:				
							February 20	03	
AM ELEMENT	•		PROJECT NU	JMBER AN	ID NAME				
	Ship and Aircraft Su		K2924 - RDT		fense Test Ship				
Total	E)/ 00	FY 03	E)/ 04	FY 04	E) (05	FY 05	0 1 1 -	T-1-1	T()/-1
PY s Cost	FY 03 Cost	Award Date	FY 04 Cost	Award Date	FY 05 Cost	Award Date	Cost to Complete	Total Cost	Target Value of Contract
0031	Cost	Date	0031	Date	0031	Date	Complete	0.000	1
								0.000	
								0.000	
								0.000	
								0.000	
	3.125	;	9.260		11.272			23.657	1
	5.1.20		0.200					0.000	
								0.000	
								0.000	
								0.000	
								0.000	
0.00	0.000 3.125	;	9.260	1	11.272		0.000	1	
								0.000	
								0.000	
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0.00	0.000)	0.000		0.000		0.000	0.000	
	R-1 9	R-1 SHOPPING LIST	R-1 SHOPPING LIST - Item No	R-1 SHOPPING LIST - Item No. 158					

CLASSIFICATION:

									DATE:				
Exhibit R-3 Cost Analysis (page	ge 2)										February 200	03	
APPROPRIATION/BUDGET ACTIV	ITY		PROGRAM EL				PROJECT NU						
RDT&E, N / BA-6	10		0605863N - RI		and Aircraft Sup		K2924 - RDT	&E Self Defens	se Test Ship	T=1 / = =			
Cost Categories	Contract Method & Type	Performing Activity & Location		Total PY s Cost	FY 03 Cost	FY 03 Award Date	FY 04 Cost	FY 04 Award Date	FY 05 Cost	FY 05 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Developmental Test & Evaluation												0.000	
Operational Test & Evaluation												0.000	
Live Fire Test & Evaluation												0.000	
Test Assets												0.000	
Tooling												0.000	
GFE												0.000	
Award Fees												0.000	
Subtotal T&E				0.000	0.000	o l	0.000		0.000)	0.000	0.000	
Contractor Engineering Support		T									T	0.000	1
Government Engineering Support											1	0.000	
Program Management Support												0.000	
Travel												0.000	
Labor (Research Personnel)												0.000	
SBIR Assessment												0.000	
Subtotal Management				0.000	0.000)	0.000)	0.000)	0.000	0.000	
Remarks:													
Total Cost				0.000	3.125	5	9.260)	11.272	2	0.000	23.657	
Remarks:													

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification							DATE:		
							Februa	ry 2003	
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMI	ENT NUMBER AND	NAME		PROJECT NUMBE	R AND NAME			
RDT&E, N / BA-6	Program Element (0605863N Ship an	d Aircraft Support)		Project Unit (S0354	4 RDT&E Ship Sup	pport)		
COST (\$ in Millions)	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	
Project Cost	11.765	10.143	8.792	11.163	10.547	11.070	11.234	11.411	
RDT&E Articles Qty									

MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:

S0354, RDT&E Ships Support. This project provides for operation and maintenance of a platform used as Sea Based Test Site in support of the Navy Research, Development, Test and Evaluation (RDT&E) program. This project is for the USS DOLPHIN (AGSS-555). Testing aboard this platform reduces the number of fleet units required to support RDT&E efforts. A major cost of this project is regularly scheduled ship maintenance. The remainder of the funds are used for purchase of supplies and equipment, fuel and petroleum products, repairs, and supporting modifications. Most costs are fixed and are associated with simply having these platforms in the inventory. A lesser portion of the costs varies with the tempo and type of ship operations and provides for systems improvements and replacement planning. The nature of the operation os determined by the overall Navy/DoD R&D testing program.

USS DOLPHIN will support software upgrades testing of the MK50 and MK48 Advanced Capability (ADCAP) torpedoes, the "VA Class" Submarine Material Qualification Program, ONR Littoral Warfare Advanced Development (LWAD) Program, Improved Extended Echo Ranging (IEER), Advanced Extended Echo Ranging (AEER), Advanced Deployable System (ADS), Submarine Mast Detection Radar (SMDR), Laser Airborne System - Hyperspectral (LASH), Airborne Low Frequency Sonar (ALFS), Tripartied Technology Cooperation Program (TTCP) and the Advanced Sea /Air/Land (SEAL) Delivery Program. Mobile Inshore Warfare Unit Arrays and the Seabased Weapons and Tactics School (SWATS) are also frequently supported by USS DOLPHIN, USS DOLPHIN provides support for numerous undersea surveillance, sonar, weapons, communications and imaging programs.

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification			DATE:	
			1	February 2003
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND NAME	PROJECT NUMBER AND N	AME	
RDT&E, N /BA-6	Program Element (0605863N Ship and Aircraft Support)	Project Unit (S0354- RDT&E	Ship Support)	

B. Accomplishments/Planned Program

	FY 02	FY 03	FY 04	FY 05
USS DOLPHIN Ship Support	11.765			

FY2002 PLANS:

USS DOLPHIN experienced a MISHAP in May 02. Plans are underway to repair the USS DOLPHIN using FY02 and FY03 funds. During FY02 the USS DOLPHIN supported DT&E and OT&E testing of the LWAD, MK48 ADCAP, and MK54 torpedoes, AEER, ALFS, SWAT and ADS programs. USS DOLPHIN supported DT&E testing of the RADIANT BRONZE project for Tactical Exploitation of National Capabilities (TENCAP). USS DOLPHIN supported near ocean bottom operations, torpedo exercises and RDT&E programs modeling sonar propagation, testing sensors and communication systems.

	FY 02	FY 03	FY 04	FY 05
USS DOLPHIN Ship Support		10.143		

FY2003 PLANS:

USS DOLPHIN will complete TAV for the repair work and is scheduled to start RAV1-6 in Jan 03 and complete in May 03. USS DOLPHIN plans on supporting DT&E testing of the RADIANT BRONZE project for Tactical Exploitation of National Capabilities (TENCAP). USS DOLPHIN will support near ocean bottom operations, torpedo exercises and RDT&E programs modeling sonar propagation, testing sensors and communication systems. In addition, USS DOLPHIN plans to conduct periodic phased maintenance to maintain certification and procure material to support continued operations.

	FY 02	FY 03	FY 04	FY 05
USS DOLPHIN Ship Support			8.792	

FY 2004 PLANS:

USS DOLPHIN plans on supporting MK48 ADCAP CBASS Torpedo, MK54 Torpedo (Shallow Water ASW Target-SWAT Program, Low Frequency Sonar, Advanced Deployable System (ADS) AN/SQQ-89 ASW Combat System, USS DOLPHIN plans on conducting periodic phased maintenance to maintain certification and procure material to support continued operations.

R-1 SHOPPING LIST - Item No.

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Exhibit R-2a, RDTEN Project Justification (Exhibit R-2a, page 9 of 29)

CLASSIFICATION:

	cation			DATE: February	, 2003
PROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUM	MBER AND NAME	PROJECT NUMBER AND N		2003
T&E, N / BA-6	Program Flement (0605863	N Ship and Aircraft Support	Project Unit (S0354 RDT&E		
accomplishments/Planned Program (Cont.	<u>, </u>		, 1 13,500 0 111	Sup Supporty	
		EV 02	FV.04	T.V.O.	
USS DOLPHIN SHIP SUPPORT	FY 02	FY 03	FY 04	FY 05 11.163	
USS DOLFHIN SHIP SUPPORT				11.103	
3. FY 2005 PLANS: USS DOLPHIN plans on supporting MK48 A	ADCAP CRASS Tornedo MK54 Torne	do (Shallow Water ASW Ta	rget-SWAT Program Low Fre	equency Sonar Advanced Denloy	vahle system
(ADS) AN/SQQ-89 ASW Combat System.					
			T		
	FY 02	FY 03	FY 04	FY 05	
	FY 02	FY 03	FY 04	FY 05	
Accomplishments/Effort/Subtotal Cost RDT&E Articles Quantity	FY 02	FY 03	FY 04	FY 05	

R-1 SHOPPING LIST - Item No.

CLASSIFICATION:

						DATE:	
							February 2003
PROPRIATION/BUDGET ACTIVITY	PROGRAM ELE	MENT NUMBER	AND NAME		PROJECT NUMB	ER AND NAME	•
DT&E, N / BA-6	Program Eleme	nt (PE 0605863N	Ship and Aircra	aft Support	Project Unit (PU S	0354 Ship Support)	
C. PROGRAM CHANGE SUMMARY:	•						
Funding:		FY 2002	FY 2003	FY 2004	FY 2005		
Previous President's Budget: (FY 03 Pres Conti	ols)	10.204	10.383	10.548	11.807		
Current BES/President's Budget (FY04/05 Pres	. Controls)	11.765	10.143	8.792			
Total Adjustments		1.561	-0.240	-1.756	-0.644		
Summary of Adjustments							
Congressional program reductions Congressional undistributed reducti	ons	-0.090	-0.061				
Congressional rescissions		0.004					
SBIR/STTR Transfer		-0.064	-0.179	-0.204	0.070		
Economic Assumptions Reprogrammings		-0.028	-0.179	-0.204 -0.887			
Other Navy/OSD Adjustments		-0.025		-0.665			
FY02 Actuals (30 SEP) Increase		1.768		-0.003	-0.371		
Congressional increases		1.700					
Subtotal		1.561	-0.240	-1.756	-0.644		
Schedule:							
Not Applicable							
Technical:							
Not Applicable							
		D 4 CHODD			450		

CLASSIFICATION:

								DATE:				
Exhibit R-3 Cost A	nalysis (page 1)									February 200	03	
APPROPRIATION/BU		PROGRAM E	LEMENT			PROJECT NU	JMBER AND	NAME				
RDT&E, N /	BA-6			863N Ship and		rt Project Unit (I		ip Support)				
Cost Categories	Contrac Method	Activity &	Total PY s	FY 03	FY 03 Award	FY 04	FY 04 Award	FY 05	FY 05 Award	Cost to	Total	Target Value
	& Type		Cost	Cost	Date	Cost	Date	Cost	Date	Complete	Cost	of Contract
RAV	WR	Portsmouth Naval Shipyard	42.326	6.356	10/02	2.860	10/03	6.518	10/04	Continuing	Continuing	1
Planning Yard Support	WR	Portsmouth Naval Shipyard	9.797	2.005	10/02	3.317	10/03	2.555	10/04		17.674	ļ
Ship Operations	WR	COMSUBPAC	1.150	0.537	10/02	0.910	10/03	0.721	10/04		3.318	3
Maintenance/Homepor	rting WR	SPAWAR	6.860	0.293	10/02	0.227	10/03	0.328	10/04		7.708	3
			8.684	0.952	10/02	1.478	10/03	1.041	10/04		12.155	5
											0.000	
											0.000	
											0.000	
											0.000)
											0.000)
											0.000	
Subtotal Product Develo	opment		68.817	10.143	s i	8.792	,	11.163		0.000	98.915	5
rne total phor year c	osis renect execution (data from FY97 through FY00.										
Development Support											0.000)
Software Development											0.000	
Training Development											0.000)
Integrated Logistics Supp	port										0.000)
Configuration Manageme	ent										0.000	
Technical Data											0.000	
GFE											0.000	
Award Fees											0.000	
Subtotal Support			0.000	0.000		0.000)	0.000		0.000	0.000)
		•							-			
Remarks:												

CLASSIFICATION:

									DATE:				
Exhibit R-3 Cost Analysis (page 2)											February 20	03	
APPROPRIATION/BUDGET ACTIVIT	ΓΥ		PROGRAM EL				PROJECT NUI				-		
RDT&E, N / BA-6	lo	In	0605863N - RE	DT&E,N Ship and	Aircraft Suppor		Project Unit (Pl		Support)	E) (05		1	1
Cost Categories	Contract Method	Performing Activity &		Total PY s	FY 03	FY 03 Award	FY 04	FY 04 Award	FY 05	FY 05 Award	Cost to	Total	Target Value
	& Type	Location		Cost	Cost	Date	Cost	Date	Cost	Date	Complete	Cost	of Contract
Developmental Test & Evaluation	7,											0.00	
Operational Test & Evaluation												0.00	0
Live Fire Test & Evaluation												0.00	0
Test Assets												0.00	0
Tooling												0.00	0
GFE												0.00	0
Award Fees												0.00	0
Subtotal T&E				0.000	0.000	D	0.000)	0.0	000	0.000	0.00	0
Contractor Engineering Support												0.00	0
Government Engineering Support												0.00	0
Program Management Support												0.00	0
Travel												0.00	0
Labor (Research Personnel)												0.00	0
SBIR Assessment												0.00	0
Subtotal Management				0.000	0.000	D	0.000)	0.0	000	0.00	0.00	0
Remarks:													
Total Cost				68.817	10.14	3	8.792	2	11.	163	0.00	98.91	5
Remarks:				_	IC LICT have N		450						

R-1 SHOPPING LIST - Item No.

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification	on						DATE:		
	February 2003								
APPROPRIATION/BUDGET ACTIVITY									
RDT&E, N / BA-6	0605863N - RDT&I	0605863N - RDT&E,N Ship and Aircraft Support S2924 - RDT&E Self Defense Test Ship							
COST (\$ in Millions)	COST (\$ in Millions) FY 2002 FY 2003 FY 2004 FY 2005 FY 2006							FY 2009	
Project Cost 3.165 0.000 0.000 0.000 0.000							0.000	0.000	
RDT&E Articles Qty									

A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:

This project provides for the maintenance of Hull Mechanical and Electrical (HM&E) and installed Combat Systems of the Self-Defense Test Ship (SDTS) in support of the Navy Research, Development, Test and Evaluation (RDT&E) of ship self-defense systems. Testing aboard this ship reduces the number of fleet units required to support RDT&E efforts. SDTS provides the capability of testing self-defense weapon systems within their minimum range. A major cost of this project is regularly scheduled ship maintenance. The remainder of the funds are used for purchase of supplies and equipment, fuel and petroleum products, repairs and supporting services. Most costs are fixed and are associated with simply having this platform in the inventory.

(U) Current and projected Anti-Ship Cruise Missile (ASCM) threats require self-defense weapons systems capable of adequately countering ASCMs into the year 2001 and beyond. The National Defense Authorization Act for FY87, section 910, "Testing of Certain Weapons Systems and Munitions," requires live-fire lethality testing of manned weapons systems. Operational and safety constraints limit realistic live-fire lethality testing with U.S. Navy ships and thus drive the requirement for having an afloat, unmanned, remotely controlled SDTS. SDTS plans call for testing PHALANX, Evolved Sea Sparrow Missile (ESSM), High Frequency Surface Wave Radar Advanced Technology Demonstration (ATD), the Rolling Airframe Missile (RAM), and future short-range Anti-Air Warfare systems against realistic threat presentation in an at-sea environment.

R-1 SHOPPING LIST - Item No.

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justifica	ation			DATE: Febr i	uary 2003
PPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUM	MBER AND NAME	PROJECT NUMBER AND N		adi y 2000
DT&E, N / BA-6	0605863N - RDT&E,N Ship	and Aircraft Support	S2924 - RDT&E Self Defens	se Test Ship	
. Accomplishments/Planned Program					
	FY 02	FY 03	FY 04	FY 05]
Accomplishments/Effort/Subtotal Cost	3.165				
RDT&E Articles Quantity					
	FY 02	FY 03	FY 04	FY 05	
Accomplishments/Effort/Subtotal Cost					
RDT&E Articles Quantity					
Accomplishments/Effort/Subtotal Cost	FY 02	FY 03	FY 04	FY 05	
Accomplishments/Effort/Subtotal Cost RDT&E Articles Quantity	FY 02	FY 03	FY 04	FY 05	

R-1 SHOPPING LIST - Item No.

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Exhibit R-2a, RDTEN Project Justification (Exhibit R-2a, page 15 of 29)

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification						DATE:	
							February 2003
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEM	IENT NUMBER	AND NAME		PROJECT NUMI	BER AND NAME	
RDT&E, N / BA-6	0605863N - RDT8	E,N Ship and A	ircraft Support		S2924 - RDT&E	Self Defense Test Ship	
C. PROGRAM CHANGE SUMMARY:							
Funding: Previous President's Budget: (FY 03 Pres Controls Current BES/President's Budget: (FY04/05 OSD/C Total Adjustments Summary of Adjustments Congressional program reductions Congressional undistributed reductions Congressional rescissions SBIR/STTR Transfer Economic Assumptions Minor Program Adjustments Reprogrammings Congressional increases Subtotal	OMB Controls) _	-0.006 -0.009 -0.005 -0.107	FY 2003 3.199 0.000 -3.199 -3.199	FY 2004 3.042 0.000 -3.042 -3.042	-2.871		
Schedule: Not Applicable Technical: Non Applicable							
		D 1 SHODD			150		

CLASSIFICATION:

									DATE:				
Exhibit R-3 Cost Analysis (pag	ge 1)										February 20	03	
APPROPRIATION/BUDGET ACTIV	'ITY		PROGRAM E				PROJECT N						
RDT&E, N / BA-6			0605863N - I	RDT&E,N Ship	and Aircraft Su		S2924 - RDT		ense Test Ship				
Cost Categories	Contract	Performing		Total	E)/ 00	FY 03	E) (0 4	FY 04	E) (05	FY 05	0 1 1 -	T . (.)	T
	Method & Type	Activity & Location		PY s Cost	FY 03 Cost	Award Date	FY 04 Cost	Award Date	FY 05 Cost	Award Date	Cost to Complete	Total Cost	Target Value of Contract
Primary Hardware Development	и туро	Location		0001	0001	Duio	0001	Date	0001	Build	Complete	0.000	
Ancillary Hardware Development												0.000	
Component Development												0.000	
Ship Integration												0.000	
Ship Suitability												0.000	
Systems Engineering	WR	Port Huenem	e Division	3.165	0.000							3.165	
Training Development												0.000	
Licenses												0.000	
Tooling												0.000)
GFE												0.000)
Award Fees												0.000)
Subtotal Product Development				3.165	0.000		0.000)	0.00	0	0.000	3.165	5
Development Support												0.000	
Software Development												0.000	
Training Development												0.000	
Integrated Logistics Support												0.000)
Configuration Management												0.000)
Technical Data												0.000)
GFE												0.000)
Award Fees												0.000	
Subtotal Support				0.000	0.000)	0.000	ס	0.00	ס	0.000	0.000	
Remarks:													
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CLASSIFICATION:

								DATE:				
Exhibit R-3 Cost Analysis (pag	je 2)									February 200)3	
APPROPRIATION/BUDGET ACTIV	ITY		PROGRAM ELEMENT			PROJECT	NUMBER AND	D NAME				
RDT&E, N / BA-6			0605863N - RDT&E,N Ship	and Aircraf		S2924 - RE		ense Test Ship				
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 03 Cost	FY 03 Award Date	FY 04 Cost	FY 04 Award Date	FY 05 Cost	FY 05 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Developmental Test & Evaluation	и туро	Location	0001	0001	Build	0001	Buto	0001	Date	Complete	0.000	or contract
Operational Test & Evaluation											0.000	
Live Fire Test & Evaluation											0.000	
Test Assets											0.000	
Tooling											0.000	
GFE											0.000	
Award Fees											0.000	
Subtotal T&E			0.00	10 (0.000	0.0	000	0.0	00	0.000	0.000	
Contractor Engineering Support											0.000	
Government Engineering Support											0.000	
Program Management Support											0.000	
Travel											0.000	
Labor (Research Personnel)											0.000	
SBIR Assessment											0.000	
Subtotal Management			0.00	0 (0.000	0.0	000	0.0	00	0.000	0.000	
Remarks:												
Total Cost			3.16	5 (0.000	0.0	000	0.0	00	0.000	3.165	
Remarks:												

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification							DATE:	
							Februa	ry 2003
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEM	ENT NUMBER AND	NAME		PROJECT NUMBE	ER AND NAME		
RDT&E, N / BA-6	0605863N - RDT&I	E,N Ship and Aircra	aft Support		W0568 - RDT&E A	ircraft Flight Hours		
COST (\$ in Millions)	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
Project Cost	27.785	27.741	28.044	28.423	29.977	29.641	30.183	30.749
RDT&E Articles Qty								

A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:

RDT&E Aircraft Flight Hours. This non-acquisition project supports direct flight hour costs, including organizational and intermediate level maintenance, as well as associated consumables, including petroleum, oil, and lubricants (POL). These flight hours are used for post-maintenance test flights, aircrew training, and the accomplishment of pilot proficiency requirements (approximately 3 hours per pilot per month), in support of Research and Development programs at four Naval Air Systems Command/Naval Surface Warfare Center/Office of Naval Research (NAVAIR/NSWC/ONR) flight activities, as well as annual flight simulator training for Naval Air Warfare Center (NAWC) activities.

R-1 SHOPPING LIST - Item No.

CLASSIFICATION:

	ion			DATE: Febru	ary 2003
PROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUM	MBER AND NAME	PROJECT NUMBER AND N		u. y 2000
T&E, N / BA-6	0605863N - RDT&E,N Ship	and Aircraft Support	W0568 - RDT&E Aircraft Fli	ght Hours	
Accomplishments/Planned Program	·		•		
	FY 02	FY 03	FY 04	FY 05	
Accomplishments/Effort/Subtotal Cost	27.785	27.741	28.044	28.423	
RDT&E Articles Quantity					
	FY 02	FY 03	FY 04	FY 05	
Accomplishments/Effort/Subtotal Cost					
RDT&E Articles Quantity					
	FY 02	FY 03	FY 04	FY 05	
Accomplishments/Effort/Subtotal Cost					
Accomplishments/Effort/Subtotal Cost RDT&E Articles Quantity					

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification					DATE:	
						February 2003
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER	AND NAME		PROJECT NUMBER	AND NAME	
RDT&E, N / BA-6	0605863N - RDT&E,N Ship and Ai	rcraft Support		W0568 - RDT&E Airc	raft Flight Hours	
C. PROGRAM CHANGE SUMMARY:						
Funding:	FY 2002	FY 2003	FY 2004	FY 2005		
Previous President's Budget:	29.131	28.397	29.446	29.927		
Current BES/Presidents Budget	27.785	27.741	28.044	28.423		
Total Adjustments	-1.346	-0.656	-1.402	-1.504		
Summary of Adjustments Congressional program reductions						
Congressional undistributed reductions		-0.166				
Congressional rescissions SBIR/STTR Transfer	-0.069					
Economic Assumptions	-0.080	-0.490	-0.200	-0.863		
Reprogrammings	-1.197					
Other Navy/OSD adjustments Congressional increases			-1.202	-0.641		
Subtotal	-1.346	-0.656	-1.402	-1.504		
Schedule:						
Not Applicable.						
Technical:						
Not Applicable.						
		NO LICT. Its		450		

CLASSIFICATION:

Flight Hours		PROGRAM E 0605863N - F				IDD O JEOTAII				February 200)3	
RDT&E, N / BA-6 Cost Categories Flight Hours	Contract Method	0605863N - F				DDO IEOT III						
Cost Categories Flight Hours	Method		DTOF N Chin			PROJECT NU	IMBER AND N	IAME				
Flight Hours	Method	Performing	RUTAE, N Ship a	and Aircraft Sup		W0568 - RDT						
Flight Hours		Activity & Location	Total PY s Cost	FY 03 Cost	FY 03 Award Date	FY 04 Cost	FY 04 Award Date	FY 05 Cost	FY 05 Award Date	Cost to Complete	Total Cost	Target Value of Contract
	WX	NAWC AD, Pax River MD	118.770			17.948		18.191	10/04	Continuing	Continuing	
Flight Hours	WX	NAWC WD, Pt. Mugu CA	78.671	7.328		7.571	10/03	7.590	10/04	Continuing	Continuing	1
i	WX	NSWC Panama City FL	12.705			0.500		0.520	10/04	Continuing	Continuing	
-	WX	NRL Patuxent River MD	25.724			1.238		1.288	10/04	Continuing	Continuing	
Flying Lab Study/Omega Tanker Proj		Various	3.321								3.321	
	WX/WR	Various	8.338	0.829	Var	0.787	Var	0.834	Var	Continuing	Continuing	
											0.000	
											0.000	
											0.000	
											0.000	
											0.000	
Subtotal Product Development			247.529	27.741		28.044		28.423		Continuing	Continuing	
Development Support											0.000	
Software Development											0.000	
Integrated Logistics Support											0.000	
Configuration Management											0.000	
Technical Data											0.000	
Studies & Analyses											0.000	
GFE											0.000	
Award Fees											0.000	
Subtotal Support			0.000	0.000		0.000		0.000		0.000	0.000	
Remarks:												

CLASSIFICATION:

									DATE:				
Exhibit R-3 Cost Analysis (pa	ige 2)								DATE.		February 200)3	
APPROPRIATION/BUDGET ACTI	VITY		PROGRAM EL	EMENT			PROJECT NU	JMBER AN	ID NAME		. 00.44.7 20	<u>,,, </u>	
RDT&E, N / BA-6			0605863N - RI		and Aircraft Su	pport	W0568 - RDT						
Cost Categories	Contract Method & Type	Performing Activity & Location		Total PY s Cost	FY 03 Cost	FY 03 Award Date	FY 04 Cost	FY 04 Award Date	FY 05 Cost	FY 05 Award Date	Cost to	Total Cost	Target Value of Contract
Developmental Test & Evaluation												0.000	
Operational Test & Evaluation												0.000	
Live Fire Test & Evaluation												0.000	
Test Assets												0.000	
Tooling												0.000	
GFE												0.000	
Award Fees												0.000)
Subtotal T&E				0.000	0.000		0.000)	0.000)	0.000		
Contractor Engineering Support												0.000)
Government Engineering Support												0.000)
Program Management Support												0.000)
Travel												0.000)
Transportation												0.000)
SBIR Assessment												0.000	
Subtotal Management				0.000	0.000)	0.000)	0.000)	0.000	0.000)
Remarks:													
Total Cost				247.529	27.741		28.044		28.423	3	Continuing	Continuing	1
Remarks:													

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification							DATE:	
							Februa	ry 2003
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMI	ENT NUMBER AND	NAME		PROJECT NUMBE	R AND NAME		
RDT&E, N / BA-6	0605863N - RDT&	E,N Ship and Aircra	aft Support		W0569 - RDT&E A	ircraft Support		
COST (\$ in Millions)	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
Project Cost	28.241	28.858	32.552	38.054	34.395	35.019	35.680	36.342
RDT&E Articles Qty				•				

A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:

RDT&E Aircraft Support. This continuing project funds costs associated with Navy Research, Development, Test and Evaluation (RDT&E) fixed and rotary wing aircraft which accommodate test and evaluation of aircraft/weapon systems. Testing aboard these platforms reduces the number of fleet units required to support RDT&E efforts. Included in these costs are Aviation Depot-Level Repairables (AVDLRs), which are spare and replacement aircraft parts and components. In FY 1998, AVDLR costs were reclassified as direct (customer-funded) costs, and a portion of the AVDLR funding to support customer programs were redistributed to customers. The remainder of AVDLR funding was retained in the account to support overhead maintenance related flight operations, aircrew training, and proficiency flight hours. This project also funds airframe Standard Depot Level Maintenance (SDLM), in-service repairs, modifications, emergency repairs, and engine repair, as well as aircraft material condition and field inspections. Additionally, it funds Individual Material Readiness List (IMRL) tools and support equipment, modification of inservice aircraft, and other systems for application to and compatibility with RDT&E requirements. Special Flight Test Instrumentation Pool (SFTIP) equipment, shared by programs to reduce or eliminate procurement lead times and save money, is also supported.

R-1 SHOPPING LIST - Item No.

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification			DATE:	
				February 2003
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND NAME	PROJECT NUMBER AND N	IAME	
RDT&E, N / BA-6	0605863N - RDT&E,N Ship and Aircraft Support	W0569 - RDT&E Aircraft Sup	pport	
,			r r	

B. Accomplishments/Planned Program

	FY 02	FY 03	FY 04	FY 05
Accomplishments/Effort/Subtotal Cost	14.715	17.238	19.029	24.194
RDT&E Articles Quantity				

Continuing the transition from ASPA/SDLM to the PDM program, while sustaining the following programs: IMRL, engine, in-service repairs support and modifications of aircraft in the RDT&E inventory. Continuing operation and implementation of maintenance and material management programs at Naval Air Warfare Center activities. FY03-FY05 plans are to continue to support these requirements. FY05 plans include transition of P-3 palletized systems into C-130's.

	FY 02	FY 03	FY 04	FY 05
Accomplishments/Effort/Subtotal Cost	11.021	11.052	11.329	11.612
RDT&E Articles Quantity				

Providing AVDLR support for NAVAIRWARCENACDIV Patuxent River, Maryland; NAVAIRWARCENWPNDIV Point Mugu, California; Naval Research Laboratory, Patuxent River, Maryland; and Coastal Systems Station, Panama City, Florida for overhead flight hours, with RDT&E projects funding those AVDLR costs associated with project flight hours. FY03-FY05 plans are to continue to support this requirement.

	FY 02	FY 03	FY 04	FY 05
Accomplishments/Effort/Subtotal Cost	2.505	0.568	2.194	2.248
RDT&E Articles Quantity				

Supporting Special Flight Test Instrumentation Pool (SFTIP) equipment, shared by programs to reduce or eliminate procurement lead times and save money, at NAVAIRWARCENACDIV Patuxent River, Maryland. FY03-FY05 plans are to continue to support this requirement.

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification					DATE:	
A DDD ODDIATION (DUDOET A OTIVITY	DDOOD AM EL EMENT AUUNDED	AND NAME		DDO ISOT NI IMBE	AND MANE	February 2003
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER			PROJECT NUMBER		
RDT&E, N / BA-6	0605863N - RDT&E,N Ship and A	ircraft Support		W0569 - RDT&E Air	craft Support	
C. PROGRAM CHANGE SUMMARY:						
Funding:	FY 2002	FY 2003	FY 2004	FY 2005		
Previous President's Budget:	28.584	29.540	33.864	39.411		
Current BES/Presidents Budget	28.241	28.858	32.552	38.054		
Total Adjustments	-0.343	-0.682	-1.312	-1.357		
Summary of Adjustments						
Congressional program reductions						
Congressional undistributed reductions		-0.172				
Congressional rescissions	-0.068					
SBIR/STTR Transfer	-0.102					
Economic Assumptions	-0.079	-0.510	-0.867	-0.918		
Reprogrammings	-0.094					
Other Navy/OSD adjustments			-0.445	-0.439		
Congressional increases Subtotal	-0.343	-0.682	-1.312	-1.357		
Gubiciai	-0.043	-0.002	-1.512	-1.557		
Schedule:						
Not Applicable						
Technical:						
Not Applicable.						
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Exhibit R-3 Cost Analysis (page	e 1)										February 200	03	
APPROPRIATION/BUDGET ACTIVI	TY		PROGRAM E	LEMENT			PROJECT NU	JMBER AND I	NAME				
RDT&E, N / BA-6			0605863N - F	RDT&E,N Ship a	and Aircraft Su	oport	W0569 - RDT	&E Aircraft Su	upport				
	Contract Method & Type	Performing Activity & Location			FY 03 Cost	FY 03 Award Date	FY 04 Cost	FY 04 Award Date	FY 05 Cost	FY 05 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Av Depot Level Repairables	WX	NAWC AD Pax	Riv MD		6.268	10/02	6.425	10/03	6.58	6 10/04	Continuing	Continuing	1
Av Depot Level Repairables	WX	NAWC WD Pt.	Mugu CA		3.849	10/02	3.945	10/03	4.04	4 10/04	Continuing	Continuing	1
Av Depot Level Repairables	WX	Various			0.936	Var	0.959	Var	0.98	3 Var	Continuing	Continuing	1
Acft Rework	WX	Various			3.150	Var	2.462	Var	0.77	3 Var	Continuing	Continuing]
Acft Rework	WX	NADEP North Is	land CA		1.612	10/02	1.653	10/03	1.92	4 10/04	Continuing	Continuing	1
Acft Rework	C/FFP	LMAC Greenville	e SC		5.643	10/02	1.653	10/03	0.84	7 10/04	Continuing	Continuing	1
Acft Rework P-3 systems to C-130s	C/FFP	Lockheed Palmo	dale CA				5.996	10/03	12.65	9 10/04	Continuing	Continuing	1
Engines	WX	NADEP Jacksor	ville FL		1.653	10/02	1.056	10/03	1.51	5 10/04	Continuing	Continuing	1
Engines	WX/MP	Various			1.557	Var	2.234	Var	1.85	8 Var	Continuing	Continuing	1
In-Service Repairs	WX	NADEP Jacksor	ville FL		1.012	10/02	1.038	10/03	1.06	4 Var	Continuing	Continuing	1
In-Service Repairs	WX	Various			0.466	Var	0.478	Var	0.49	0 Var	Continuing	Continuing]
Spec Flt Test Inst Pool	WX	NAWC AD Pax	Riv MD		0.568	10/02	2.194	10/03	2.24	8 10/04	Continuing	Continuing)
Miscellaneous	WX/WR	Miscellaneous			0.411	Var	0.350	Var	0.44	1 Var	Continuing	Continuing)
Miscellaneous PY Costs				500.899								500.899	9
												0.000)
												0.000)
												0.000)
												0.000)
												0.000)
				1								0.000)
				1								0.000)
				1								0.000)
												0.000)
Subtotal Product Development	<u></u>			500.899	27.125		30.443		35.43	2	Continuing	Continuing	1

Remarks:

CLASSIFICATION:

									DATE:	DATE:					
Exhibit R-3 Cost Analysis (page 1) APPROPRIATION/BUDGET ACTIVITY PROGRAM ELEMENT PROJECT NUMBER AND I										February 2003					
			PROGRAM E	PROGRAM ELEMENT				PROJECT NUMBER AND NAME							
RDT&E, N / BA-6	0605863N - RDT&E,N Ship and Aircraft Support				W0569 - RDT										
Cost Categories	Contract Method & Type	Performing Activity & Location		Total PY s Cost	FY 03 Cost	FY 03 Award Date	FY 04 Cost	FY 04 Award Date	FY 05 Cost	FY 05 Award Date	Cost to Complete	Total Cost	Target Value of Contract		
Development Support												0.000			
Software Development												0.000			
Integrated Logistics Support												0.000			
Configuration Management												0.000			
Technical Data												0.000			
Studies & Analyses												0.000			
GFE												0.000			
Award Fees												0.000			
												0.000			
												0.000			
												0.000			
												0.000			
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												0.000			
												0.000			
Subtotal Support				0.000	0.000)	0.000)	0.00	0	0.000	0.000)		
Remarks:		1		0.000	9 0.000	<u>'1</u>	0.000	<u>'</u>	0.00	<u>, , , , , , , , , , , , , , , , , , , </u>	0.000	0.000	'1		

CLASSIFICATION:

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Exhibit R-3 Cost Analysis (page 2)								February 2003					
APPROPRIATION/BUDGET ACTIVITY PROGRAM ELEMENT						PROJECT NUMBER AND NAME							
RDT&E, N / BA-6		0605863N - RDT&E,N Shi	W0569 - RDT&E Aircraft Support										
Cost Categories	Contract	Performing	Total	E) (00	FY 03	E) (0 4	FY 04	E) (0.5	FY 05	0 11		T ()()	
	Method & Type	Activity & Location	PY s Cost	FY 03 Cost	Award Date	FY 04 Cost	Award Date	FY 05 Cost	Award Date	Cost to Complete	Total Cost	Target Value of Contract	
Developmental Test & Evaluation	α ιγρο	Location	0001	0001	Buto	0001	Date	0001	Date	Complete	0.000	or contract	
Operational Test & Evaluation											0.000		
Live Fire Test & Evaluation											0.000		
Test Assets											0.000		
Tooling											0.000		
GFE											0.000		
Award Fees											0.000		
Subtotal T&E			0.0	0.000)	0.000		0.00	0	0.000	0.000		
Miscellaneous	WX/RX	Various		0.273	3 Var	0.139	Var	0.14	2 Var	Continuing	Continuing		
Travel	WX	NAWC AD Pax	Riv MD	0.285	10/02	0.291	10/03	0.29	10/04	Continuing	Continuing		
Civil Service Labor	WX	NAWC AD Pax	Riv MD	1.175	10/02	1.679	10/03	2.18	2 10/04	Continuing	Continuing		
Transportation											0.000		
SBIR Assessment											0.000		
											0.000		
Subtotal Management			0.0	00 1.733	3	2.109		2.62	2	Continuing	Continuing		
Remarks:													
Total Cost			500.8	99 28.858	3	32.552		38.05	4	Continuing	Continuing		
Remarks:													